



Water-Data Report 2008

01464460 LAHAWAY CREEK NEAR HORNERSTOWN, NJ

DELAWARE RIVER BASIN

LOCATION.--Lat 40°06'25", long 74°32'11" referenced to North American Datum of 1983, Upper Freehold Township, Monmouth County, NJ, Hydrologic Unit 02040201, at bridge on New Egypt Road, 0.3 mi upstream of mouth, 1.1 mi west of Hornerstown, and 2.5 mi north of New Egypt.

DRAINAGE AREA.--21.4 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2005-08.

REMARKS.--Cooperative Network Site Descriptor: Statewide Status, NJ Department of Environmental Protection Watershed Management Area 20.

COOPERATION.--Physical measurements and samples for laboratory analyses were provided by personnel of the NJ Department of Environmental Protection. Determinations of dissolved ammonia, dissolved orthophosphate, and suspended residue were performed by the NJ Department of Health and Senior Services, Environmental and Chemical Laboratory.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 5

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Time	Turbidity white light, det ang 90+/-30 corrctd	UV absorb- ance, 254 nm, wat flt units	UV absorb- ance, 280 nm, wat flt units	Baro- metric pres- sure, mm Hg	Dis- solved oxygen, mg/L (00025)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif- ic conduc- tance, wat unf μS/cm (00095)	Temper- ature, wat air, degC (00020)	Temper- ature, water, degC (00010)	Hard- ness, water, mg/L as CaCO ₃ (00900)	Calcium water, fltrd, mg/L (00915)
Dec													
12...	0900	3.6	.084	.066	759	12.1	98	7.1	144	11.0	6.1	28	7.60
Feb													
07...	0900	11	.090	.070	755	10.4	89	6.6	124	8.0	8.3	25	6.71
May													
07...	0900	6.5	.115	.090	762	7.9	79	7.1	150	19.5	15.3	40	12.2
Sep													
04...	0800	6.5	.152	.121	761	7.7	87	7.4	169	22.0	21.1	51	16.7

01464460 LAHAWAY CREEK NEAR HORNERSTOWN, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 2 of 5

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Date	ANC, wat unf fixed						Residue water, filtrd,			Residue on evap.		Ammonia + Residue	
	Magnes- ium, water, filtrd, mg/L (00925)	Potas- sium, water, filtrd, mg/L (00935)	Sodium, water, filtrd, mg/L (00930)	CaCO ₃ lab, mg/L as (90410)	Chlor- ide, water, filtrd, mg/L (00940)	Fluor- ide, water, filtrd, mg/L (00950)	Silica, water, filtrd, mg/L as SiO ₂ (00955)	Sulfate water, filtrd, mg/L (00945)	180degC consti- tuents mg/L (70301)	wat flt mg/L (70300)	total non- filter- able, mg/L (00530)	org-N, water, filtrd, mg/L as N (00623)	Ammonia water, filtrd, mg/L as N (00608)
Dec 12...	2.12	2.52	12.6	11	22.5	E.10	7.8	14.0	E77	83	3	.15	.040
Feb 07...	2.04	2.41	8.78	7	17.7	E.10	8.6	17.7	E70	79	1	.19	.050
May 07...	2.33	2.44	9.87	19	19.4	.15	8.4	17.4	E84	105	2	.29	.061
Sep 04...	2.28	2.77	9.93	30	19.6	.18	8.8	16.9	96	119	4	.41	.035

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 3 of 5

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Date	Nitrate + nitrite water filtrd, mg/L as N (00631)	Partic- ulate nitro- gen, water, filtrd, mg/L (49570)	Total nitro- gen, water, filtrd, mg/L (00602)	Total nitro- gen, water, unfiltrd mg/L (00600)	Ortho- phos- phate, water, filtrd, mg/L as P (00671)	Phos- phorus, water, filtrd, mg/L as P (00666)	Phos- phorus, water, unfiltrd, mg/L as P (00665)	Total carbon, suspd sediment mg/L (00694)	Inor- ganic carbon, suspd sediment mg/L (00688)	Organic carbon, suspd sediment mg/L (00689)	Organic carbon, water, filtrd, mg/L (00681)	Arsenic water, filtrd, μg/L (01000)	Arsenic water, unfiltrd μg/L (01002)
	.21	.04	.36	.40	<.010	.013	.026	.4	<.04	.4	2.4	--	--
Dec 12...	.36	.09	.55	.64	E.004	.013	.052	1.0	<.04	1.0	2.8	.29	.68
Feb 07...	.16	.08	.44	.52	E.009	.022	.052	.9	<.04	.9	2.7	--	--
Sep 04...	.15	E.03	.57	E.60	.013	.033	.057	.4	<.04	.4	3.3	.58	.77

01464460 LAHAWAY CREEK NEAR HORNERSTOWN, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 4 of 5

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Date	Barium, water, unfltrd recover -able, μg/L (01007)	Beryll- ium, water, unfltrd recover -able, μg/L (01012)	Boron, water, unfltrd recover -able, μg/L (01020)	Boron, water, unfltrd recover -able, μg/L (01022)	Cadmium water, unfltrd recover -able, μg/L (01027)	Chrom- ium, water, unfltrd recover -able, μg/L (01034)	Copper, water, unfltrd recover -able, μg/L (01042)	Iron, water, unfltrd recover -able, μg/L (01045)	Lead, water, unfltrd recover -able, μg/L (01051)	Mangan- ese, water, unfltrd recover -able, μg/L (01055)	Mercury water, unfltrd recover -able, μg/L (71900)	Nickel, water, unfltrd recover -able, μg/L (01067)	Selen- ium, water, unfltrd recover -able, μg/L (01147)
Dec 12...	--	--	17	--	--	--	--	--	--	--	--	--	--
Feb 07...	36.3	.07	16	11	.14	1.7	<1.2	1,420	.41	59.2	<.010	2.7	E.08
May 07...	--	--	19	--	--	--	--	--	--	--	--	--	--
Sep 04...	32.6	<.04	21	18	<.01	.40	<1.2	1,350	.12	33.4	<.010	1.6	E.07

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007
TO SEPTEMBER 2008

Part 5 of 5

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Date	Silver, water, unfltrd recover -able, μg/L (01077)	Zinc, water, unfltrd recover -able, μg/L (01092)
Dec 12...	--	--
Feb 07...	<.02	13.1
May 07...	--	--
Sep 04...	<.02	2.9

01464460 LAHAWAY CREEK NEAR HORNERSTOWN, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 1 of 7

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	1-Naph-thol, water, filtrd, 0.7u GF	2,6-Di-ethyl-aniline, water, filtrd, 0.7u GF	2Chloro- -2',6'-diethyl acetanilide, water, CIAT, wat flt	2-Ethyl methylchloro-aniline, water, filtrd,	3,4-Di-chloro-aniline, water, filtrd,	3,5-Di-chloro-aniline, water, filtrd,	4-Chloro-2methyl-phenol, water, filtrd,	Aceto-chlor, water, filtrd,	Ala-chlor, water, filtrd,	alpha-Endo-sulfan, water, filtrd,	Atra-zine, water, filtrd,	Azin-phos-methyl oxon, water, filtrd,	
	μg/L (49295)	μg/L (82660)	μg/L (61618)	μg/L (04040)	μg/L (61620)	μg/L (61625)	μg/L (61627)	μg/L (61633)	μg/L (49260)	μg/L (46342)	μg/L (34362)	μg/L (39632)	μg/L (61635)
May 07...	M	<.006	<.010	E.004	<.010	<.006	<.008	<.005	<.006	<.006	<.006	E.005	<.04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 2 of 7

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Date	Azin-phos-methyl, water, filtrd, 0.7u GF	Benz-flur-alin, water, filtrd, 0.7u GF	Car-baryl, water, filtrd, 0.7u GF	Carbo-furan, water, filtrd, 0.7u GF	Chlor-pyrifos, oxon, water, filtrd, 0.7u GF	Chlor-pyrifos, water, filtrd, 0.7u GF	cis-Per-methrin, water, filtrd, 0.7u GF	cis-Propi-conazole, water, filtrd, 0.7u GF	Cyana-zine, water, filtrd, 0.7u GF	Cyflu-thrin, water, filtrd, 0.7u GF	lambda-Cyhalothrin, water, filtrd, 0.7u GF	Cyper-methrin, water, filtrd, 0.7u GF	DCPA, water, filtrd, 0.7u GF
	μg/L (82686)	μg/L (82673)	μg/L (82680)	μg/L (82674)	μg/L (61636)	μg/L (38933)	μg/L (82687)	μg/L (79846)	μg/L (04041)	μg/L (61595)	μg/L (61595)	μg/L (61586)	μg/L (82682)
May 07...	<.120	<.010	E.004	<.020	<.06	<.005	<.010	<.006	<.020	<.016	<.004	<.014	<.003

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 3 of 7

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Date	Desulf- inylfipro- nil, water, filtrd, 0.7u GF	Diazi-non, water, filtrd, 0.7u GF	Dicro-tophos, water, filtrd, 0.7u GF	Diel-drin, water, filtrd, 0.7u GF	Dimeth-oate, water, filtrd, 0.7u GF	Disulf-ton, sulfone, water, filtrd, 0.7u GF	Disul-foton, water, filtrd, 0.7u GF	Endo-sulfan, sulfate, water, filtrd, 0.7u GF	EPTC, water, filtrd, 0.7u GF	Ethion, monoxon, water, filtrd, 0.7u GF	Ethion, water, filtrd, 0.7u GF	Etho-prop, water, filtrd, 0.7u GF	Fenami-phos- sulfone, water, filtrd, 0.7u GF
	μg/L (62170)	μg/L (39572)	μg/L (38454)	μg/L (39381)	μg/L (82662)	μg/L (61640)	μg/L (82677)	μg/L (61590)	μg/L (82668)	μg/L (61644)	μg/L (82346)	μg/L (82672)	μg/L (61645)
May 07...	<.012	<.005	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.006	<.012	<.053

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 4 of 7

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Date	Fenami-phos sulf-oxide, water, filtd, µg/L (61646)	Fenami-phos, water, filtd, µg/L (61591)	Desulf-inyl-fipro-nil sulfide, wat flt µg/L (62169)	Fipro-nil sulfide, water, filtd, µg/L (62167)	Fipro-nil sulfone, water, filtd, µg/L (62168)	Fipro-nil, water, filtd, µg/L (62166)	Fonofos (04095)	Hexazinone, water, filtd, µg/L (04025)	Iprodione, water, filtd, µg/L (61593)	Isofen-phos, water, filtd, µg/L (61594)	Mala-oxon, water, filtd, µg/L (61652)	Mala-thion, water, filtd, µg/L (39532)	Metaxyl, water, filtd, µg/L (61596)
May 07...	<.20	<.03	<.029	<.013	<.024	<.020	<.010	<.008	<.01	<.006	<.020	<.016	<.007

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 5 of 7

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Date	Methid-athon, water, filtd, µg/L (61598)	Methyl para-thion, water, filtd, µg/L (61664)	Methyl para-thion, water, filtd, 0.7u GF µg/L (82667)	Metola-chlor, water, filtd, µg/L (39415)	Metri-buzin, water, filtd, µg/L (82630)	Moli-nate, water, filtd, 0.7u GF µg/L (82671)	Myclo-butanol, water, filtd, µg/L (61599)	Oxy-fluor-fen, water, filtd, µg/L (61600)	Pendi-methalin, water, filtd, 0.7u GF µg/L (82683)	Phorate, water, filtd, µg/L (61666)	Phorate, water, filtd, µg/L (82664)	Phosmet, water, filtd, µg/L (61668)	Phosmet, water, filtd, µg/L (61601)
May 07...	<.004	<.01	<.008	E.009	<.012	<.003	<.010	<.006	<.012	<.03	<.040	<.05	<.008

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 6 of 7

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Date	Promo-ton, water, filtd, µg/L (04037)	Promo-tryn, water, filtd, µg/L (04036)	Propy-zamide, water, filtd, 0.7u GF µg/L (82676)	Pro-palin, water, filtd, 0.7u GF µg/L (82679)	Propar-gite, water, filtd, 0.7u GF µg/L (82685)	Simazine, water, filtd, 0.7u GF µg/L (04035)	Tebu-thiuron, water, filtd, 0.7u GF µg/L (82670)	Teflu-thrin, water, filtd, 0.7u GF µg/L (61606)	Ter-bufos, water, filtd, 0.7u GF µg/L (61674)	Terbu-fos, water, filtd, 0.7u GF µg/L (82675)	Ter-buthyl-azine, water, filtd, 0.7u GF µg/L (04022)	Thio-bencarb, water, filtd, 0.7u GF µg/L (82681)	Propi-conazole, water, filtd, 0.7u GF µg/L (79847)	
May 07...	M		<.006	<.004	<.006	<.04	E.005	<.02	<.003	<.04	<.02	<.01	<.010	<.02

01464460 LAHAWAY CREEK NEAR HORNERSTOWN, NJ—Continued**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO
SEPTEMBER 2008**

Part 7 of 7

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Date	Tri- Tribu- phos, water, filtrd,	flur- alin, water, filtrd 0.7u GF	Di- chlor- vos, water, filtrd,
	µg/L (61610)	µg/L (82661)	µg/L (38775)
May			
07...	<.035	<.009	<.01